

SEQUENCE LISTING

<110> Shaughnessy, S.
Austin, R.

<120> OSTEOPOROSIS TREATMENT

<130> MDSP-P04-180

<140> to be assigned

<141> 2004-2-17

<150> PCT/CA99/00516

<151> 1999-05-19

<150> US 09/715,838

<151> 2000-11-17

<160> 13

<170> PatentIn version 3.1

<210> 1

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1

Arg	Arg	Leu	Arg	Ala	Ser	Trp	Thr	Tyr	Pro	Ala	Ser	Trp	Pro	Cys	Gln
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Pro	His	Phe	Leu
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Thr	Tyr	Pro	Ala	Ser	Trp	Pro	Cys	Gln	Pro	His	Phe	Leu	Leu	Lys	Phe
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Arg	Leu	Gln	Tyr
			20

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<221> CDS

<222> (1)..(1140)

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Met	Ser	Ser	Ser	Cys	Ser	Gly	Leu	Thr	Arg	Val	Leu	Val	Ala	Val	Ala

1	5	10	15	
acg gcc ctg gtg tct tcc tcc tcc ccc tgc ccc caa gct tcc ggt cct				96
Thr Ala Leu Val Ser Ser Ser Ser Pro Cys Pro Gln Ala Ser Gly Pro	20	25	30	
cca ggg gtc cag tat gga caa cct ggc agg ccc gtg atg ctg tgc tgc				144
Pro Gly Val Gln Tyr Gly Gln Pro Gly Arg Pro Val Met Leu Cys Cys	35	40	45	
ccc gga gtg agt gct ggg act cca gtg tcc tgg ttt cgg gat gga gat				192
Pro Gly Val Ser Ala Gly Thr Pro Val Ser Trp Phe Arg Asp Gly Asp	50	55	60	
tca agg ctg ctc cag gga cct gac tct ggg tta gga cac aaa ctg gtc				240
Ser Arg Leu Leu Gln Gly Pro Asp Ser Gly Leu Gly His Lys Leu Val	65	70	75	80
ttg gcc cag gtg gac agc cct gat gaa ggc act tat gtc tgc cag acc				288
Leu Ala Gln Val Asp Ser Pro Asp Glu Gly Thr Tyr Val Cys Gln Thr	85	90	95	
ctg gat ggt gta tca ggg ggc atg gtg acc ctg aag ctg ggc ttt ccc				336
Leu Asp Gly Val Ser Gly Gly Met Val Thr Leu Lys Leu Gly Phe Pro	100	105	110	
cca gca cgt cct gaa gtc tcc tgc caa gcg gta gac tat gaa aac ttc				384
Pro Ala Arg Pro Glu Val Ser Cys Gln Ala Val Asp Tyr Glu Asn Phe	115	120	125	
tcc tgt act tgg agt cca ggc cag gtc agc ggt ttg ccc acc cgc tac				432
Ser Cys Thr Trp Ser Pro Gly Gln Val Ser Gly Leu Pro Thr Arg Tyr	130	135	140	
ctt act tcc tac agg aag aag acg ctg cca gga gct gag agt cag agg				480
Leu Thr Ser Tyr Arg Lys Lys Thr Leu Pro Gly Ala Glu Ser Gln Arg	145	150	155	160
gaa agt cca tcc acc ggg cct tgg ccg tgt cca cag gac cct ctg gag				528
Glu Ser Pro Ser Thr Gly Pro Trp Pro Cys Pro Gln Asp Pro Leu Glu	165	170	175	
gcc tcc cga tgt gtg gtc cat ggg gca gag ttc tgg agt gag tac cgg				576
Ala Ser Arg Cys Val Val His Gly Ala Glu Phe Trp Ser Glu Tyr Arg	180	185	190	
atc aat gtg acc gag gtg aac cca ctg ggt gcc agc acg tgc cta ctg				624
Ile Asn Val Thr Glu Val Asn Pro Leu Gly Ala Ser Thr Cys Leu Leu	195	200	205	
gat gtg aga tta cag agc atc ttg cgt cct gat cca ccc caa gga ctg				672
Asp Val Arg Leu Gln Ser Ile Leu Arg Pro Asp Pro Pro Gln Gly Leu	210	215	220	
cgg gtg gaa tcc gta cct agt tac ccg aga cgc ctg cat gcc agc tgg				720
Arg Val Glu Ser Val Pro Ser Tyr Pro Arg Arg Leu His Ala Ser Trp	225	230	235	240
aca tac cct gcc tcc tgg cgt cgc caa ccc cac ttt ctg ctc aag ttc				768
Thr Tyr Pro Ala Ser Trp Arg Arg Gln Pro His Phe Leu Leu Lys Phe	245	250	255	

cgg ttg caa tac cga cca gca cag cat cca gcg tgg tcc acg gtg gag	816
Arg Leu Gln Tyr Arg Pro Ala Gln His Pro Ala Trp Ser Thr Val Glu	
260 265 270	
ccc att ggc ttg gag gaa gtg ata aca gat gct gtg gct ggg ctg cca	864
Pro Ile Gly Leu Glu Glu Val Ile Thr Asp Ala Val Ala Gly Leu Pro	
275 280 285	
cac gcg gta cga gtc agt gcc agg gac ttt ctg gat gct ggc acc tgg	912
His Ala Val Arg Val Ser Ala Arg Asp Phe Leu Asp Ala Gly Thr Trp	
290 295 300	
agc gcc tgg agc cca gag gcc tgg ggt act cct agc act ggt ccc ctg	960
Ser Ala Trp Ser Pro Glu Ala Trp Gly Thr Pro Ser Thr Gly Pro Leu	
305 310 315 320	
cag gat gag ata cct gat tgg agc cag gga cac gga cag cag cta gag	1008
Gln Asp Glu Ile Pro Asp Trp Ser Gln Gly His Gly Gln Gln Leu Glu	
325 330 335	
gca gta gta gct cag gag gac agc ccg gct cct gca agg cct tcc ttg	1056
Ala Val Val Ala Gln Glu Asp Ser Pro Ala Pro Ala Arg Pro Ser Leu	
340 345 350	
cag ccg gac cca agg cca ctt gat cac agg gat ccc ttg gag caa ctg	1104
Gln Pro Asp Pro Arg Pro Leu Asp His Arg Asp Pro Leu Glu Gln Leu	
355 360 365	
gtg cca cgc ggt tct cac cac cac cac cac tga	1140
Val Pro Arg Gly Ser His His His His His His	
370 375	

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Gly Asp Val Ala Asp Leu Pro Tyr Ala Leu
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Arg Arg Leu Arg Ala Ser Trp
1 5

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Ser Ile Leu Arg Pro Asp Pro Pro Gln Gly Leu Arg Val Glu Ser Val
1 5 10 15

Pro Gly Tyr Pro

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<210> 7
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<223> IL-11 receptor antagonist

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> Xaa=basic amino acid

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Arg Arg Leu Xaa Ala Ser Trp
1 5

<210> 8
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<212> PRT
<213> Mus musculus

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Ser Ile Leu Arg Pro Asp Pro Pro Gln Gly Leu Arg Val Glu Ser Val
1 5 10 15

Pro Ser Tyr Pro
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<210> 9
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<223> Xaa=suitable amino acid

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Ser Ile Leu Arg Pro Asp Pro Pro Gln Gly Leu Arg Val Glu Ser Val
1 5 10 15

Pro Xaa Tyr Pro
20

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Arg Arg Leu His Ala Ser Trp
1 5

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Met Ser Ser Ser Cys Ser Gly Leu Thr Arg Val Leu Val Ala Val Ala
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Thr Ala Leu Val Ser Ser Ser Ser Pro Cys Pro Gln Ala Ser Gly Pro
20 25 30

Pro Gly Val Gln Tyr Gly Gln Pro Gly Arg Pro Val Met Leu Cys Cys
35 40 45

Pro Gly Val Ser Ala Gly Thr Pro Val Ser Trp Phe Arg Asp Gly Asp
50 55 60

Ser Arg Leu Leu Gln Gly Pro Asp Ser Gly Leu Gly His Lys Leu Val
65 70 75 80

Leu Ala Gln Val Asp Ser Pro Asp Glu Gly Thr Tyr Val Cys Gln Thr
85 90 95

Leu Asp Gly Val Ser Gly Gly Met Val Thr Leu Lys Leu Gly Phe Pro
100 105 110

Pro Ala Arg Pro Glu Val Ser Cys Gln Ala Val Asp Tyr Glu Asn Phe
115 120 125

Ser Cys Thr Trp Ser Pro Gly Gln Val Ser Gly Leu Pro Thr Arg Tyr
130 135 140

Leu Thr Ser Tyr Arg Lys Lys Thr Leu Pro Gly Ala Glu Ser Gln Arg
145 150 155 160

Glu Ser Pro Ser Thr Gly Pro Trp Pro Cys Pro Gln Asp Pro Leu Glu
165 170 175

Ala Ser Arg Cys Val Val His Gly Ala Glu Phe Trp Ser Glu Tyr Arg
180 185 190

Ile Asn Val Thr Glu Val Asn Pro Leu Gly Ala Ser Thr Cys Leu Leu
195 200 205

Asp Val Arg Leu Gln Ser Ile Leu Arg Pro Asp Pro Pro Gln Gly Leu
210 215 220

Arg Val Glu Ser Val Pro Ser Tyr Pro Arg Arg Leu His Ala Ser Trp
225 230 235 240

Thr Tyr Pro Ala Ser Trp Arg Arg Gln Pro His Phe Leu Leu Lys Phe
245 250 255

Arg Leu Gln Tyr Arg Pro Ala Gln His Pro Ala Trp Ser Thr Val Glu
260 265 270

Pro Ile Gly Leu Glu Glu Val Ile Thr Asp Ala Val Ala Gly Leu Pro
275 280 285

His Ala Val Arg Val Ser Ala Arg Asp Phe Leu Asp Ala Gly Thr Trp
290 295 300

Ser Ala Trp Ser Pro Glu Ala Trp Gly Thr Pro Ser Thr Gly Pro Leu
305 310 315 320

Gln Asp Glu Ile Pro Asp Trp Ser Gln Gly His Gly Gln Gln Leu Glu
325 330 335

Ala Val Val Ala Gln Glu Asp Ser Pro Ala Pro Ala Arg Pro Ser Leu
340 345 350

Gln Pro Asp Pro Arg Pro Leu Asp His Arg Asp Pro Leu Glu Gln Leu
355 360 365

Val Pro Arg Gly Ser His His His His His His
370 375

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Asp Ala Val Ala Gly Leu Pro His Ala Val
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